AUSTRALIAN SOCIETY for LIMNOLOGY

Newsletter

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FOR PRIVATE CIRCULATION ONLY

AUSTRALIAN SOCIETY FOR LIMNOLOGY

NEWSLETTER - VOL. No.

August 1972

EDITORIAL

After most competently occupying the position for several years, Brian Smith has retired from Newsletter editorship. Under the new editor the Newsletter will continue to have a similar format to that developed by Brian.

It is hoped that two changes can be incorporated into the Newsletter. First it has been decided that advertisement material will be accepted. In this way it is hoped that costs incurred in the production of the Newsletter can be covered. Second, a section entitled "Reports from Institutions Engaged in Limnology" will be presented. This will allow up-to-date information on projects and personnel in the various institutions from which we draw our membership to be disseminated.

Finally I would appeal to everyone to please forward me any newsy items that they think might be of interest to Society members.

Michael C. Geddes
Zoology Department
Monash University
Clayton, Victoria 3168

Items of interest

Our globe-trotting algologist Joan Powling writes to say that she has arrived in England and taken up a position with the London Water Board. An earlier card she sent from Ethiopia showed a smiling native displaying a giant Nile Perch that even Hamer Midgley would have been proud to catch.

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John Lake's recent book on Australian freshwater fishes was given plenty of exposure at the Narrandera Conference (I have heard it rumoured that the Conference was organized as a sales promotion for the book) but just in case anyone is not familiar with it, here are the particulars.

The book is called "Freshwater Fishes and Rivers of Australia", published by Thomas Nelson and sells for $4.95. The book has four chapters: 1. The Rivers and Lakes of Australia, 2. The Freshwater Fishes of Australia, 3. Modes of Reproduction and Distribution of Australian Freshwater Fishes, and 4. The Future of Australian Freshwater Fishes. The book is illustrated with natural colour photographs of most of the freshwater fishes of Australia.

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A new journal entitled "Water, Air and Soil Pollution" has appeared. It is an interdisciplinary journal concerned with all of the physical and biological processes affecting flora, fauna, air, water and solid earth. The international editorial board includes A.J. Gilmore from Melbourne, G.F. Humphrey from Cronulla and B.J. O'Brian from Perth.

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A letter has been received from the International Society for Limnology concerning sales of back-publications of their journals Verhandlungen and Mitteilungen. To-date back-publications have been available by payment of retroactive membership fees. However, tighter control of the sale of back-issues has now been introduced.

As of 1 August 1972 (a) new members may purchase back issues of the Association's publications for two (2) years prior to the year in which they join SILTA by payment of retroactive dues at the cost of the current annual fee prevailing the year of membership; and (b) members in good standing, as verified for the publisher by the office of the General Secretary-Treasurer, may purchase older back publications at the publisher's price with a 25 per cent discount. This policy would apply to both regular and institutional members.

A request for material - Blephariceridae (Diptera)

The most primitive genus of Blephariceridae (net winged midges), Edwardsina, provides an example for disjunct distribution. It occurs in Chile, Australia and Tasmania, its closest relative being a genus confined to Madagaskar. This may be either a relic distribution or reflect former continuity of southern continents, thus providing further evidence of continental drift. However, this cannot be checked since the Blephariceridae of Australia (unlike those of other areas in question) are insufficiently known. All Australian species have been named between 1913 and 1923; for three of the five species descriptions are inadequate. Recent collections in Victoria and in New South Wales showed at least fourteen species do in fact exist here. There may be still more, and it would also be important to have additional records of already known species from areas where I cannot collect properly simply because of lack of time (being at Monash University as a visitor for only one year).

I would therefore greatly appreciate if limnologists could please look for these insects and make them available for study. Pupae and large larvae are more easily identified than adults; immature stages are found (from early spring to late autumn) in swift streams, especially in mountain torrents. Larvae are attached to smooth rocks by six ventral suckers; pupae are firmly attached to these rocks, mostly in the middle of the current. They are easily picked or scratched off with a forceps and should be preserved in 75 per cent alcohol (methylated spirits will do) or 3 per cent formaldehyde.

Peter Zwick
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Australia

Reports from institutions engaged in limnology

MONASH UNIVERSITY

The last year has been an active one for limnology in the Monash Zoology Department. Ian Bayly and Bill Williams were promoted to Readers; two former students, Keith Walker and Geoff. Brand, received their Ph.Ds and took up positions overseas; and two visiting limnologists, Professor Noel Hynes and Dr. Peter Zwick, have been/are (respectively) present in the department. At present Ian Bayly, Bill Williams and Ian Hiscock lead a team of limnologists that include four Ph.D., two M.Sc. and four B.Sc. (Hons) students. Interests within limnology are quite diverse and some indication of them is given in the listing that follows.

Ian Bayly's main research interest lies in the osmotic and ionic behaviour of animals from inland saline waters. He has recently completed a review paper on this topic. Much of Ian's time of late has been spent fighting the battle for the survival of Lake Pedder. He has been the consulting zoologist for the campaign and has done much to authenticate and publicise the endemicity and scientific value of the Lake Pedder fauna. He is presently looking at the interstitial fauna from the Pedder beach and is particularly interested in the phreotoicids found there as this is the first record of this group of isopods from an interstitial habitat.

Bill Williams is engaged in a long term study of some highly saline lakes in western Victoria. Bill is using these salt lakes as simplified examples of total ecosystems. His present work is mainly a documentation of seasonal faunistic floral and chemical features. Determinations of algal primary productivity using the C^{14} method are also being made. Bill has a deep interest in environmental problems. He serves as the Victorian universities' representative on the Victorian Environmental Protection Council which is an advisory body to the newly constituted Environmental Protection Authority of Victoria.

Ian Hiscock is working on fossil mussels in north-western Victoria. He spoke on this project at the Narrandera conference. Ian has discovered Hyradella glenelgensis at his fossil site and this has prompted suggestions that former drainage patterns in the area were quite different from the present ones. Ian is also interested in the physiology of drought resistance in freshwater mussels and has supervised two research students who have worked in this field.

Brian Timms is in the final stage of a Ph.D. project on the comparative limnology of these deep maars in western Victoria. The lakes cover a wide salinity range (fresh 8‰ 56‰) and the main theme concerns the association between salinity and diversity, community structure and production. Zooplankton, benthos littoral fauna has been studied in some detail, while phytoplankton and the fish and waterfowl faunas have also been examined. One major problem is the lack of comparative work on Australian lakes, especially of the benthos, and so the benthos of a number of other lakes in south-eastern Australia is being examined. Brian is also assessing the annual primary production rates for the three lakes.

Graeme Arnott is currently associated with Fisheries and Wildlife and the Melbourne and Metropolitan Board of Works as a member of the Port Phillip Bay Environmental Study Group. Present research work involves the taxonomy, species diversity, and the determination of standing crops of planktonic Crustacea, particularly the Copepoda, occurring in Port Phillip Bay. Graeme's interests also extend into Bass Strait and the river estuaries discharging into Port Phillip. Results on the nature and extent of any qualitative and quantitative changes occurring both seasonally and spatially will provide basic background data for any future changes that may take place in the ecology of Port Phillip Bay.

Michael Geddes is involved in studies on Australian Anostracans. These crustaceans, known commonly as fairy or brine shrimps, are charactistic inhabitants of temporary waters. There are two Australian genera, Parartemia, found in highly saline water, and Branchinella in fresh and slightly saline water. Each genus contains many species and it is probable that there are still further undescribed species of each in central and northern Australia. In western Victoria a situation exists where with increasing salinity a freshwater species of Branchinella is replaced by a salt tolerant one which in turn is replaced by Parartemia. Michael is making a comparative study of osmotic and ionic regulation in each of these three species.

Peter Jackson's Ph.D. project aims to obtain information on growth and production of brown trout (Salmo trutta) in a typical Victorian highland stream. He is also studying the degree of interaction between the trout and native fishes. The study area is a section of the Aberfeldy River a short distance from its source. Native fish species present in the river are the river blackfish (Gadopsis marmoratus) and the short-finned eel (Anguilla australis).

Ian Campbell's M.Sc. study is on the effects of organic pollution, largely sullage, on the fauna of Dandenong Creek, a small coastal stream flowing into Port Phillip Bay. Particular attention is being paid to the macro-invertebrate fauna.

Bruce Chessman is studying aspects of the ecology and eco-physiology of Australian freshwater tortoises. Field studies of Chelodina longicollis and Emydura macquari in the Hattah Lakes area of north-western Victoria are presently being made.

Peter Ebsworth is currently examining the general biology of the fish of Fraser Island, Queensland. He is particularly interested in the sunfish Rhadinocentrus ornatus. Peter has been awarded a C.S.I.R.O. travelling postgraduate award and is off to the U.S.A. in September.

A list of honours students and their research projects completes this survey of personnel:

Val. Macreadie - Zooplankton studies in Westernport Bay
Jenny Smith - Studies on Lake Colac, western Victoria
Marg. Duncan - Distribution of Australian may flies

UNIVERSITY OF TASMANIA

Botany Department

P.A. Tyler: Physical, chemical lymnology of Tasmanian inland waters, pollution of water especially by heavy metals. Taxonomy, biogeography and biology of freshwater algae, especially the Desmidiaceae. Productivity of freshwater ecosystems. Ultrastructure of algae and bacteria. Biogenic manganese and iron deposits. Biology of manganese-oxidising bacteria. Conservation of freshwater organisms and ecosystems. Taxonomy, distribution evolution of steam transport.

R.T. Buckney: Chemical studies on inland waters. Pollution of freshwaters. Atmospheric supply of ions to inland waters. Chemical relations in a freshwater ecosystem. Chemistry of freshwater ferromanganese concretions.

H.U. Ling: Taxonomy of the Desmidiaceae. Sexual criteria in the classification of the desmids, especially of the genus Pleurotaenium. Biology of freshwater algae.

..... and for anyone interested in palaeolimnology:

M. MacPhail: Research into vegetational changes in the late glacial and post-glacial of Tasmania by pollen analysis of lake and bog deposits through the state. Continuous core samples stored.

Also, there is a group researching into the water relations of the lake country landscape on the Central Plateau.

Zoology Department

P.S. Lake: Neuroanatomy of and neurosecretion in crustaceans. Anatomy of Syncarids. Physiology and ecology of Tasmanian freshwater crustaceans. Pollutions, especially by metals, of freshwater streams. Conservation of freshwater fauna and ecosystems.

[Papers on neurosecretion in Anostraca and crabs, an organ of Bellami in Anostraca, Syncarida and Decapoda, and zinc pollution.]

R. Swain: Distribution, taxonomy of and osmotic regulation in Syncarids. The fauna of south-west Tasmania.

I.S. Wilson: Neurophysiology of Anaspides. Tasmanian fauna.

B. Knott: Taxonomy and zoogeography of Phreatoicids, including some aspects of their functional anatomy and development.

Honours students and their projects: P. Roberts - Biology, ecology, distribution and taxonomy of Pseudasellus. V. Thorp - Heavy metal pollution in the South Esk River. Effects on invertebrate fauna. Effects of water hardness on toxicity, especially of Zn and Cd. Bioassay of Cd. Effects of Cd on ionic regulation and ATPase activity. T. Walker - Distribution, morphology, biology and ecology of Paratya tasmaniensis, with attention to the variation in morphology from habitat to habitat, and the possible interaction with the saltwater counterpart Macrobrachium intermedius.

UNIVERSITY OF NEW ENGLAND

School of Natural Resources

We have an interdisciplinary group including engineers, geographers, biologists and others, and we are looking at the effects of various forms of land use on the quality of water runoff and the effect of this runoff on streams and creeks leading to the new Copeton Dam. Ultimately we will be looking into the ecology of the dam and checking how the creation of the dam affects organisms and ecological processes above and below the dam. Work has started on water quality, benthos and fish populations.

J.S. Weir

A D V E R T I S E M E N T

GENTLEMEN, our sincere greetings to one and all:

NORIAN INSTRUMENTS PTY. LTD. wish to express our pleasure and sincere appreciation of the opportunity to address the "Society of Limnology" through your Newsletter.

We appreciate the exacting technological demands of your science and it is our objective to assist you with the supply of applaudable equipment for your studies. Our policy includes the following fundamental commitments:

1. that our prices are the minimum in fairness to all parties
2. that deliveries will be given the highest priority and most will be within 30 days
3. that the equipment itself will prove to be the latest proven equipment research has produced and will carry an applicable guarantee
4. that we will keep you informed by our technical newsletter mailed every six weeks of the features and applications of our equipment, and
5. that we encourage and solicit all queries regarding problematical applications, parts and equipment.

We look forward to the opportunity of proving to you that our commitments are undertakings of FACT.

Signed: HARRY C. CROWTHER
Environmental Studies Specialist

Norian Instruments Pty. Ltd.
11-17 Leveson Street
North Melbourne, 3051

Telephone: 329-8588

LAKE PEDDER

Following the Narrandera annual general meeting, a letter concerning the Lake Pedder issue was sent to all State Premiers and to the Prime Minister. These letters and parts of the responses to them are reproduced hereunder.

To: Premiers of Tasmania, Victoria, New South Wales, South Australia, Western Australia, Queensland, and the Prime Minister of Australia.

"Dear Premier,

At the recent Annual General Meeting of the Australian Society for Limnology* the following motion was passed by members with the request that I as current president of the Society forward it to all Australian Governments.

The motion was:

That the Australian Society for Limnology recognises that the fundamental conflict between development schemes and the preservation of natural environments, such as is exemplified by the Lake Pedder issue, poses a continuing threat to freshwater environments in Australia, and thus urges all Governments to ensure that adequate scientific study of the freshwater systems affected by such schemes is undertaken prior to any decision to proceed, in order that the scientific values of the area might be properly determined and the decisions made in the light of that knowledge.

Yours faithfully,

W.D. Williams
(President, Australian Society for Limnology)

* The Australian Society for Limnology has a membership largely drawn from universities, museums and State fisheries throughout Australia. Its objectives are: "To establish effective liaison between all persons interested in any aspect of fresh and brackish water research in Australia, and to promote the study of and encourage these interests in State and Commonwealth research institutes and departments, and educational institutions."

To: the Tasmanian Premier

"Dear Premier,

In addition to the motion noted in my first letter to you, the Australian Society for Limnology also passed at the same Annual General Meeting the following motion to which I would further bring your attention.

The motion was:

That the Australian Society for Limnology recognises the scientific and limnological importance of Lake Pedder and, in view of this, urges the Tasmanian Government to prevent the impending flooding of the lake and implement one of the proposed alternative schemes which would preserve it.

Yours faithfully,

W.D. Williams
(President, Australian Society for Limnology)"

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From: The Prime Minister

"Dear Mr. Williams,

I refer to your letter of 19 June 1972 on behalf of the Australian Society for Limnology informing me of a motion carried at a recent meeting of your Society.

The Government is very conscious of the need to plan for the rational use of the environment, both to improve the quality of life for our generation and also to preserve the natural assets of the Earth for future generations. I am enclosing a copy of a statement made by my colleague, the Minister for the Environment, Aborigines and the Arts, in the House of Representatives on 24 May 1972, which explains the Government's policy with respect to environmental matters and its achievements in this field. I would draw your attention to the paragraphs entitled Impact Statements on page 4 and Land Use on page 5.

'Impact statements: In this context I wish to announce that the Government has decided to introduce a system of 'impact statements' designed to protect the environment. That is to say that when a Commonwealth Minister prepares a submission to the Cabinet on any proposal that has some relevance to the environment that submission must be accompanied by a statement setting out the impact the proposal is likely to make on the environment. This 'impact statement' will, I am sure, become an important element in decision-making. I might add that State projects for which Commonwealth financial assistance is sought will also need to be supported by assurances that all environmental factors have been considered and evaluated.'

'Land use: Hand in hand with conservation, of course, goes land use. The Government has decided to set up a Land Use Advisory Council to advise it in circumstances where environmental considerations arise in the Commonwealth's jurisdiction which could arouse general concern. For example, when proposed industrial undertakings of national importance might appear to conflict with the preservation of such environmental assets as national parks in Commonwealth Territories the Government will be able to seek independent advice from this council. Consequently, the Government will be able to refer to this council matters relating to any land under the Commonwealth's control within Australia. The members of the council and its charter will be announced in due course.'"

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From: the Tasmanian Premier

"Dear Mr. Williams,

I acknowledge your letter of the 19 June in which you draw my attention to the text of two motions adopted at the recent Annual General Meeting of your Society on subjects relating to the preservation of Lake Pedder.

I would stress that this question was canvassed quite substantially during the election campaign and I think it was clearly indicated to the Tasmanian people that the existing power development scheme in the area had progressed to such an extent that it was economically impracticable to stop the flooding of the Lake.

Yours sincerely,

Signed: Eric Reece
PREMIER

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From: the South Australian Department of Environment and Conservation

"Dear Dr. Williams,

The copy of your letter to the Honourable the Premier of South Australia, transmitting a motion passed by your members at the recent Annual General Meeting of the Australian Society for Limnology was passed to me for information. I feel that the motion expresses a reasonable worry held generally among Scientists of all kinds, not only Limnologists. Nevertheless, I find that in my present position, the great difficulty is to define "adequate scientific study". I wonder if the members of your Society would care to consider what they mean by "adequate scientific study" since this is a problem I feel the scientific community should have dealt with some time ago. I should point out that I am by training a professional Zoologist myself.

Yours sincerely,

signed: W. Grant Inglis, Ph.D., D.Sc.
Director of Environment and Conservation"

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From: the New South Wales Premier

"Dear Dr. Williams,

I have received your letter of 19 June concerning the resolution carried at the Annual General Meeting of the Australian Society for Limnology in relation to development and the environment.

The terms of this resolution have been carefully noted and in reply I would like to say that my Government is very conscious of the fact that the development of our natural resources and the conservation of our environment raise overlapping and at times conflicting problems. Indeed, recognising the impact of man's activities on the interrelations of all elements of the environment, and the importance of environmental quality to the overall quality of life, the Government is determined to use all practicable means - technical, financial and regulatory - to control and improve the total environment. At the same time the Government is conscious of the fact that economic development has an important role to play in a modern community and our aim is to attain an acceptable balance between the demands of progress and the maintenance of decent living standards.

Because of the interrelated nature of the problems involved in improving the environment, it was realised that a piecemeal approach to the overall problems would not enable an effective effort to be made. In the circumstances the Government appointed a fulltime Minister for Environment Control and constituted within his administration the State Pollution Control Commission. This is charged with the responsibilities of ensuring that all practical measures are taken to prevent, control, abate or mitigate pollution of the environment, to control or regulate the disposal of waste and otherwise to protect the environment from defacement, defilement or deterioration.

In addition, the Government has decided that in future every organisation or person proposing a major project for approval will have to demonstrate that environmental impact has been considered and evaluated. Substantial penalties are provided for breaches of the law concerning pollution and these will be strictly enforced. A copy of the Press Statement issued in this regard is enclosed.

However, our current environmental problems have emerged over many years and improving the environment and correcting past deterioration will be expensive and time consuming. But I feel it is fair to say that a positive start has been made towards overcoming the problems facing the Government in the matter and we will continue to vigorously pursue our aim of bringing about an overall improvement in the environment to meet the future requirements of human existence and progress."

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No response was received from the Premiers of Victoria, Queensland or Western Australia.
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Minutes of the Fourth Executive Committee Meeting for 1971-1972

Koala Motel, Narrandera, 12 May 1972

1. Present: Dr. D.D. Francois - President
Dr. N.M. Morrissy - Vice President
Dr. D.A. Pollard - Secy/Treasurer
Dr. I.D. Hiscock (Ex-Officio)

Mr. J.S. Lake
Dr. L.C. Llewellyn
Mr. D.D. Lynch
Mr. S.H. Midgley
Miss I.J. Powling
Mr. I.C. Smalls
Mr. R.D. Tilzey

Visitors included Dr. B. Smith (Newsletter Editor) and Mr. L.C. Wyse (re Congress arrangements).

2. Apologies: Miss L.M. Angel

3. Finance

(a) General Account - the balance of this account totalled $148.75 as at 30 April 1972, and cash and cheques in hand $93.00.

(b) Publications Account - the balance of this account totalled $83.29 at 30 April 1972. After some discussion as to the advantages and disadvantages of maintaining a separate publications account it was moved D.A. Pollard, seconded D.D. Francois, that the Publications Account be closed and the funds therein transferred to the General Account; carried.

(c) The laxity of many members in paying overdue subscriptions last year was noted, although the response to the recent circular to this effect has been encouraging.

4. Publications: The Bulletin Editor noted the rising cost of printing the A.S.L. Bulletin, viz. 500 copies of each of

Bulletins 1 and 2,	Oct. 69, 37 pp - cost	$305.00 or 8.2c	per page
Bulletin 3	Dec. 70, 48 pp	$311.10 or 6.5c	" "
Bulletin 4	Dec. 71, 42 pp	$505.50 or 12.4c	" "

It was also noted that the Society had, in effect only been able to publish one Bulletin (average 42 pp) per year with the funds and material available.

It was therefore recommended to the incoming Editorial Board that it consider publication of one larger (50+ pp) Bulletin per year, rather than aim at producing two smaller issues.

The Committee also expressed its concern at the very poor quality of the printing, especially of the reprints, of Bulletin No. 4, and recommended that the incoming Editorial Board investigate avenues for improvement.

5. Minutes:. After the minutes of the last Executive Committee Meeting had been read it was moved by D.D. Francois and seconded by L.C. Llewellyn that the Minutes of the Third Executive Committee Meeting be confirmed; carried.

6. Business arising from Minutes

(a) The Committee recommended that the Annual General Meeting consider increasing the annual subscription to membership of the Society.

(b) The Committee recommended that the Annual General Meeting consider increasing the price of back copies of the Bulletin from $1.00 to $1.50, and that the present number of 500 copies per issue be maintained.

(c) The Committee recommended that the incoming Committee look into the possibility of instituting a new category of "sustaining membership" aimed at raising funds to cover increased publishing costs.

(d) Moved Llewellyn, seconded Pollard, that the incoming Committee be instructed to increase the numbers of each issue of the Newsletter produced from 150 to 200 to accommodate increasing membership.

(e) It was resolved that notice and agendas of Executive Committee Meetings should be circulated to Committee Members two weeks in advance of meetings by the Secretary, and that the minutes of such meetings be circulated to all Committee members before their publication in the Newsletter.

(f) The Committee recommended that the venue for the next Annual Congress should be Mount Isa, with Snob's Creek as an alternative should the former not be possible.

7. Other business

(a) The Committee recommended that in view of expanding membership, the incoming Committee consider some form of informal assistance to the Secretary/Treasurer from other Committee members in the day to day running of the Society's affairs.

(b) The Committee recommended that the incoming Committee investigate avenues of increasing overseas subscriptions to the Bulletin, by means of advertising, circularising libraries, etc..

Signed: D.D. Francois
President

Minutes of the 11th Annual General Meeting
N.S.W. Inland Fisheries Research Station, Narrandera
14 May 1972

1. The President of the Society, Dr. D.D. Francois, opened the meeting at 2.00 p.m. and welcomed new members to the Society and members and visitors to the Congress.

2. Apologies:

Apologies were received from the following members:

L.M. Angel	M.R. Dean	A. Neboiss
I.A.E. Bayly	D. Grigg	A.F. O'Farrell
J. Hope Black	E.P. Hodgkin	B. Tunbridge
A.D. Butcher	R.C. Kershaw	J.H. Wilson

Apologies were also received from three invited visitors, Dr. H.B.N. Hynes, Dr. R.M. McDowall and Mr. E.R. Hoare. The President read a telegram from Dr. V.H. Jolly expressing her best wishes and regretting her inability to be present at the Congress.

3. Finance

Copies of the General and Publications Accounts were made available for members' perusal. These had not yet been audited, but when this was completed would be published in the next issue of A.S.L. Newsletter. The General Account had a credit balance of $148.75 and the Publications Account of $83.29 at 30 April 1972; the Secretary/Treasurer had $93.00 in cheques and cash in hand.

4. Minutes of last Annual General Meeting

It was moved by B. Smith and seconded by J. Lake that the minutes of the Tenth Annual General Meeting (published in A.S.L. Newsletter 9(1)) be taken as read and confirmed; carried.

5. Matters arising from last Annual General Meeting

The Secretary/Treasurer reported that all of these matters have been dealt with by the retiring Executive Committee.

6. Secretary's report

The Secretary reported that membership of the Society now stood at approximately 170 members from Australia, and five new ordinary and two new institutional members from overseas, since May 1971.

Four Executive Committee Meetings had been held in the past year; the minutes of the first two have appeared in past issues of A.S.L. Newsletter, and those of the last two will appear in the forthcoming issue.

7. Bulletin Editor's report

The Bulletin Editor reported that Bulletin No. 4, which contained 42 pages, had been regarded as successful apart from the poor quality of the printing of reprints from this issue.

Two papers had todate been received for publication in Bulletin No. 5 which will contain the Proceedings of the Eleventh Annual Congress. The Editor requested contributions to the above Proceedings to submit their papers or abstracts to the incoming Bulletin Editor - before the end of June.

8. Newsletter Editor's report

The Newsletter Editor reported that four issues of A.S.L. Newsletter had appeared during the previous year, but that copy of general interest to members had been scant. He therefore urged members to supply as much copy of general interest as possible to the incoming Editor for publication in future issues of the Newsletter.

9. President's Address

The President delivered a short address on the history of the Society and its Annual Congresses since its inception ten years ago.

10. Matters referred to the Annual General Meeting by the retiring Executive Committee

(a) Moved J. Wharton, seconded L. Llewellyn, that annual membership subscriptions to the Society be increased from $4.00 to $6.00 for ordinary and affiliated members, and from $2.00 to $3.00 for student members; carried.

(b) Moved D. McMichael, seconded B. Smith, that the price of back issues of A.S.L. Bulletin be increased from $1.00 to $1.50, and that the present number of 500 copies per issue be maintained; carried.

(c) Moved I. Campbell, seconded S. Hussainy, that the incoming Executive Committee examine the possibility of instituting a new category of "sustaining membership"; carried.

(d) Moved B. Timms, seconded W. Williams, that the incoming Executive Committee consider the possibility of producing an up-to-date issue of the "Directory of Australian Limnologists"; carried.

(e) Moved R. Tilzey, seconded I. Hiscock, that the Society express its appreciation for the work of the retiring Newsletter Editor, Brian Smith; carried with acclamation.

(g) Moved D. McMichael, seconded L. Llewellyn, that the incoming Executive Committee consider the terms and conditions of the proposed award to be created using the donation to the Society by Dr. V.H. Jolly; carried.

(h) Moved D. McMichael, seconded W.B. Malcolm, that the Society nominate Mr. Edgar Reik as its candidate for the 1973 Natural History Medallion, and that Dr. Brian Smith act as the Society's representative in this matter; carried with acclamation.

(i) Moved I. Smalls, seconded J. Wharton, that Miss I. Powling represent the Society as an observer at the forthcoming I.A.W.P.R. Jerusalem Congress on the matter of Australia as a possible venue for the 1976 Congress; carried.

(j) Moved J. Bradbury, seconded P. Rogan, that the incoming Executive Committee investigate the problem of tax rebates on membership subscriptions for members residing in the United Kingdom; carried.

(k) The Secretary advised the meeting of the recommendation of the retiring Executive Committee that the next Congress be held in May 1973 at Mount Isa (Queensland) pending suitable arrangements with the Management of Mount Isa Mines Ltd. and that an alternative venue would be at Victorian Fisheries and Wildlife's Snob's Creek Hatchery near Alexandra, Victoria. It was resolved to adopt this recommendation and that the incoming Executive Committee should finalise the arrangements, with Mr. S.H. Midgley acting as liaison with Mount Isa Mines Ltd.

(l) Moved J. Lake, seconded D. McMichael, that the Society express its appreciation to Lee and Joy Wyse and the staff of the Inland Fisheries Research Station for the effort they had put into assuring the success of the Congress, and to the Director of Fisheries and other members of his staff for providing the facilities of the Station and organising the programme for the Congress; carried with acclamation.

11. Other business

(a) It was suggested by W.D. Williams that the incoming Executive Committee should consider the use of name tags at future Congresses. Noted.

(b) The Secretary quoted from a letter from Dr. W.D. Williams to the effect that interested members should note a proposal for a joint meeting with members of the New Zealand Limnological Society to be held in 1973 on the topic "The Biology and Biogeography of Australasian Freshwater Organisms". Further information on this matter would be published in a future issue of A.S.L. Newsletter. Noted.

(c) After considerable discussion it was

(i) Moved D.F. McMichael, seconded I. Campbell, "that the Australian Society for Limnology recognises that the fundamental conflict between development schemes and the preservation of natural environments, such as is exemplified by the Lake Pedder issue, poses a continuing threat to freshwater environments in Australia, and thus urges all Governments to ensure that adequate scientific study of the freshwater systems affected by such schemes is undertaken prior to any decision to proceed, in order that the scientific values of the area might be properly determined and the decisions made in the light of that knowledge. Copies to be sent to all Australian Governments."; carried.

(ii) Moved I. Campbell, seconded P. Ebsworth, "that the Australian Society for Limnology recognises the scientific and limnological importance of Lake Pedder and, in view of this, urges the Tasmanian Government to prevent the impending flooding of the Lake and implement one of the proposed alternative schemes which would preserve it."; carried.

12. Election of Office Bearers

President	- Dr. W.D. Williams [moved N. Morrissy, seconded W.B. Malcolm]
Vice President	- Dr. D.F. McMichael [moved D.A. Pollard, seconded L. Llewellyn]
Hon. Secretary/Treasurer	- Mr. J.C. Wharton [moved D. Lynch, seconded I.D. Hiscock]
Committee Members	- Dr. D.D. Francois (ex-officio)
	Mr. S.H. Midgley Dr. I.D. Hiscock
	Mr. M. Geddes Mr. D.D. Lynch
	Mr. R.D. Tilzey Mr. G. Arnott
	Mr. N.V. Ruello Dr. S. McGill

Honorary Auditor and Librarian to be appointed by incoming Executive Committee.

Signed: D.D. Francois
President